Society of Automotive Engineers, Inc.
TWO PENNSYLVANIA PLAZA, NEW YORK, N.Y. 10001

AEROSPACE STANDARD AS 473B

FLANGE-ACCESSORY, 10" BOLT CIRCLE

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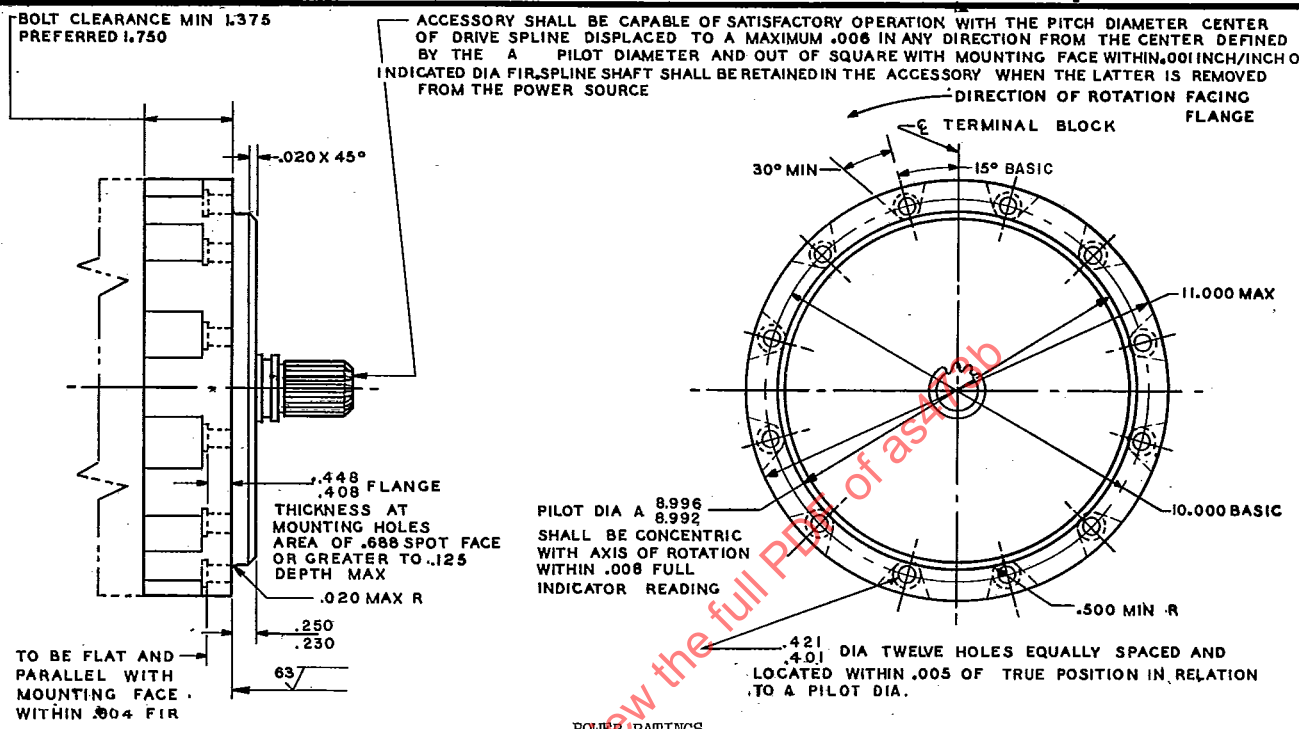

FLANGE TYPE	SPLINE PD	POWER RATINGS (a) MAX HP VARIABLE SPEED	(b) MAX HP BASED ON 6000 RPM CONSTANT SPEED	(b) MAX HP BASED ON 8000 RPM CONSTANT SPEED	O RING SIZE CROSS SECTION .135-.143 ID ACTUAL	O RING SIZE CROSS SECTION .135-.143 OD NOMINAL
A	0.800	30 (15 KVA)	65 (40 KVA)	95 (60 KVA)	0.728-0.740	1.000
B	1.200	85 (40 KVA)	190 (120 KVA)	250 (160 KVA)	1.103-1.115	1.375
C	1.625	190 (90 KVA)	250 (160 KVA)		1.478-1.490	1.750
D	1.875	250 (120 KVA)			1.724-1.744	2.000
E	2.000	335 (160 KVA)			1.849-1.869	2.125

(a) HP INCLUDES COMBINED EFFICIENCY OF 64% FOR AC GENERATORS AND CONSTANT SPEED TRANSMISSION.
(b) HP INCLUDES EFFICIENCY OF 85% FOR AC GENERATORS.

THE NOMINAL USE OF THIS FLANGE IS FOR AC AND DC AIRCRAFT GENERATORS, CONSTANT SPEED TRANSMISSIONS (DRIVES), AND HIGH SPEED FLUID POWER PUMPS.

THE STATIC TORSIONAL STRENGTH OF THE ACCESSORY DRIVE SHAFT SHALL NOT EXCEED 5 TIMES THE FULL LOAD TORQUE RATING OF THE ACCESSORY AT MINIMUM RATED SPEED. (FOR AC GENERATORS, FULL LOAD IS BASED ON UNITY POWER FACTOR).

THE ACCESSORY SHALL OPERATE SATISFACTORILY WITH OIL LEAKAGE FROM THE DRIVE INTO THE PILOT COMPARTMENT NOT EXCEEDING 3 CC PER HOUR.

IN THE EVENT OF A SHEAR SECTION FAILURE, THE ACCESSORY SHALL BE DESIGNED TO PREVENT DISENGAGEMENT OF THE DRIVE SPLINE COMPONENT.

REMOVE ALL BURRS AND SHARP EDGES.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ± .010, ANGLES ± 2°.

THIS DRAWING AND THE APPLICABLE ACCESSORY SPECIFICATIONS, TOGETHER, COMPLETELY DEFINE THE DESIGN REQUIREMENTS.

FOR EXHAUST SHROUD MOUNTING SURFACES ON AIR COOLED AC AND DC GENERATORS, SEE AIP 554 AND 555.

SURFACE ROUGHNESS SYMBOL $\sqrt{}$, AS 291 (AA).

THIS IS A DESIGN STANDARD AND IS NOT TO BE USED AS A PART NUMBER.

FOR DETAILS OF MATING DRIVE, SEE AS 470.
FOR DETAILS OF SLOTTED MOUNTING HOLE FLANGE, SEE AS 474.
FOR DETAILS OF O RING SEALED MOUNTING FLANGE, SEE AS 481.